

**From:** [Sutton, Douglas](#)  
**To:** [Rossi, Debra](#)  
**Cc:** ["Susanna A. Mays"; Theresa Miller \(theresa\\_miller@golder.com\)](#)  
**Subject:** FW: DS&G PFAS monitoring plan for 2018  
**Date:** Wednesday, August 29, 2018 1:20:03 PM  
**Attachments:** [PFAS Sampling Locations rev.pdf](#)  
[PFAS Work Plan Comments\\_042618.pdf](#)  
[SAP Table A-6C.pdf](#)

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Debbie,

Please find below an email from Golder and the referenced attachments to that email regarding the PFAS monitoring locations. We discussed this briefly on our call on 8/22. If you have any questions, please feel free to "reply-all" to this email.

Thank you!

Doug

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**From:** Miller, Theresa <theresa\_miller@golder.com>  
**Sent:** Wednesday, August 22, 2018 2:39 PM  
**To:** Sutton, Douglas <dsutton@hgl.com>  
**Cc:** Susanna Mays <susanna@TrustSC.com>  
**Subject:** RE: DS&G PFAS monitoring plan for 2018

Hi Doug,

This email was prepared in response to EPA's April 26, 2018 letter (see attached) providing comments on DS&G's February 7, 2018 PFAS Work Plan. The Sampling and Analysis Plan (SAP) submitted to the USEPA on August 17, 2018 as part of the of Pre-Design Investigation Work Plan (PDI WP) included the revised groundwater purging procedures and the revised PFAS sampling procedures requested in their letter comments 1, 3, and 6 through 13. Letter comments 4 and 5 are being addressed separately. We are providing this email to address only comment 2.

More specifically, comment 2 in EPA's letter describes their attached figure which shows areas A through D recommended to evaluate our proposed list of PFAS sampling locations. It appears that their designation of areas A through D is based on creating areas radiating from one location generally focused in the area of Columbia well C2D within the DDA. As discussed with Debbie, it is more appropriate to create areas A through D based on the UPA upper sand groundwater contours and flow direction, then develop a list of PFAS sampling locations. As such, Golder developed areas A through D using the groundwater contours and flow directions for the September 2017 water level monitoring event (see attached figure). These areas A through D were used as the basis for the addition of PFAS sampling locations to our annual PFAS sampling list as included in the August 17, 2018 SAP (see attached table). The orange lines, letters and boxes on the attached figure are from EPA's figure and comment 2, and the green lines, letters and boxes are our interpretation and additional proposed PFAS sampling locations.

Please let me know if you have any questions, changes or additions. If not, please feel free to provide this response to EPA.

Thanks,

Theresa

**Theresa A. Miller, PG, LSP | Golder Associates Inc.**

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**From:** Rossi, Debra [<mailto:Rossi.Debra@epa.gov>]

**Sent:** Thursday, April 26, 2018 3:18 PM

**To:** Doug Sutton <[dsutton@hgl.com](mailto:dsutton@hgl.com)>

**Cc:** [christina.wirtz@state.de.us](mailto:christina.wirtz@state.de.us); Miller, Theresa <[theresa\\_miller@golder.com](mailto:theresa_miller@golder.com)>; Susanna Mays <[susanna@TrustSC.com](mailto:susanna@TrustSC.com)>

**Subject:** DS&G PFAS monitoring plan for 2018

Doug,

Attached please find EPA's and DNREC's comments on Golder's February 2018 Work Plan for PFAS monitoring. The comments pertain to Golder's February 2018 submission and concerns regarding routine monitoring well purging and sampling procedures.

Debbie

Debra Rossi

Remedial Project Manager

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